

May 19, 2023

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ND-23-0407
10 CFR 52.99(c)(1)

U.S. Nuclear Regulatory Commission
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Washington, DC 20555-0001

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 4
ITAAC Closure Notification on Completion of ITAAC Item 2.5.05.04 [Index Number 572]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), the purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Vogtle Electric Generating Plant (VEGP) Unit 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.5.05.04 [Index Number 572]. This ITAAC confirms Incore Instrumentation System Safety-related displays of the parameters identified in the Combined License (COL) Appendix C Table 2.5.5-1 can be retrieved in the main control room. The closure process for this ITAAC is based on the guidance described in Nuclear Energy Institute (NEI) 08-01, "Industry Guideline for the ITAAC Closure Process under 10 CFR Part 52," which was endorsed by the NRC in Regulatory Guide 1.215.

This letter contains no new NRC regulatory commitments. Southern Nuclear Operating Company (SNC) requests NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

If there are any questions, please contact Kelli Roberts at 706-848-6991.

Respectfully submitted,



Jamie M. Coleman
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.5.05.04 [Index Number 572]

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cc: Regional Administrator, Region II
 Director, Office of Nuclear Reactor Regulation (NRR)
 Director, Vogtle Project Office NRR
 Senior Resident Inspector – Vogtle 3 & 4

**Southern Nuclear Operating Company
ND-23-0407
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.5.05.04 [Index Number 572]**

ITAAC Statement

Design Commitment

4. Safety-related displays of the parameters identified in Table 2.5.5-1 can be retrieved in the MCR.

Inspections, Tests, Analyses

Inspection will be performed for retrievability of the safety-related displays in the MCR.

Acceptance Criteria

Safety-related displays identified in Table 2.5.5-1 can be retrieved in the MCR.

ITAAC Determination Basis

An inspection was performed to verify the safety-related displays of the parameters identified in the Combined License (COL) Appendix C Table 2.5.5-1 (Attachment A) could be retrieved in the main control room (MCR).

The inspection was performed in accordance with the Unit 4 ITP Work Orders 1257439 and 1257440 (References 1 and 2) for Incore Instrumentation System component indication verifications. The test procedures injected a test signal for core exit temperature (CET) and visually confirmed that when each of the safety-related displays for core exit temperature was summoned at the MCR Protection and Safety Monitoring System (PMS) Visual Display Units (VDUs), the summoned core exit temperature appeared on the PMS VDU.

The Unit 4 test results (References 1 and 2) confirmed that the VEGP Unit 4 plant parameter safety-related displays listed in Attachment A can be retrieved in the MCR.

Reference 1 and 2 are available for NRC inspection as part of the Unit 4 ITAAC 2.5.05.04 Completion Package (Reference 3).

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of findings pertaining to the subject ITAAC and associated corrective actions. This review found there are no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 2.5.05.04 (Reference 3) and is available for NRC review.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.5.05.04 was performed for VEGP Unit 4 and that the prescribed acceptance criteria were met.

Systems, structures, and components verified as part of this ITAAC are being maintained in their as-designed, ITAAC compliant condition in accordance with approved plant programs and procedures.

References (available for NRC inspection)

1. SV4-PMS-T0W-1257439, Rev. 0, "Component Test for PMS Div C Core Exit Thermocouples"
2. SV4-PMS-T0W-1257440, Rev. 0, "Component Test for PMS Div B Core Exit Thermocouples"
3. 2.5.05.04-U4-CP-Rev0, ITAAC Completion Package

Attachment A

***IIS Safety-Related Displays in the MCR**

Table 2.5.5-1	
*Equipment Name	*Safety-Related Display
Incore Thimble Assemblies (at least three assemblies in each core quadrant)	Core Exit Temperature ⁽¹⁾

(1) Only applies to the safety-related assemblies. There are at least two safety-related assemblies in each core quadrant.

* Excerpt from COL Table 2.5.5-1